

Contents

J.H. Rieger

The Geometry of View Space of Opaque Objects Bounded by
Smooth Surfaces 1

O.D. Faugeras, E. Le Bras-Mehlman and J.D. Boissonat

Representing Stereo Data with the Delaunay Triangulation 41

B. Faltings

Qualitative Kinematics in Mechanisms 89

W.E.L. Grimson

The Combinatorics of Object Recognition in Cluttered Environments
Using Constrained Search 121

S. Kraus, D. Lehmann and M. Magidor

Nonmonotonic Reasoning, Preferential Models and Cumulative
Logics 167

H. Altay Güvenir and G.W. Ernst

Learning Problem Solving Strategies Using Refinement and Macro
Generation 209

P. Orponen

Dempster's Rule of Combination is $\#P$ -Complete (Research Note) 245

Forthcoming Papers 255

M.P. Wellman

Fundamental Concepts of Qualitative Probabilistic Networks 257

T.S. Levitt and D.T. Lawton

Qualitative Navigation for Mobile Robots 305

S.W. Smoliar

Book Review of *Models of Musical Communication and Cognition*
(M. Leman, ed.) 361

M. Leman

On Models of Musical Communication and Cognition, a response to
the review by S.W. Smoliar 372

D. Gentner and K. Forbus

A Note on "Creativity and Learning in a Case-Based Explainer" 373

Announcements 377

Forthcoming Papers 395

Author Index – Volume 44, 1990 398

Contents – Volume 44, 1990 399

